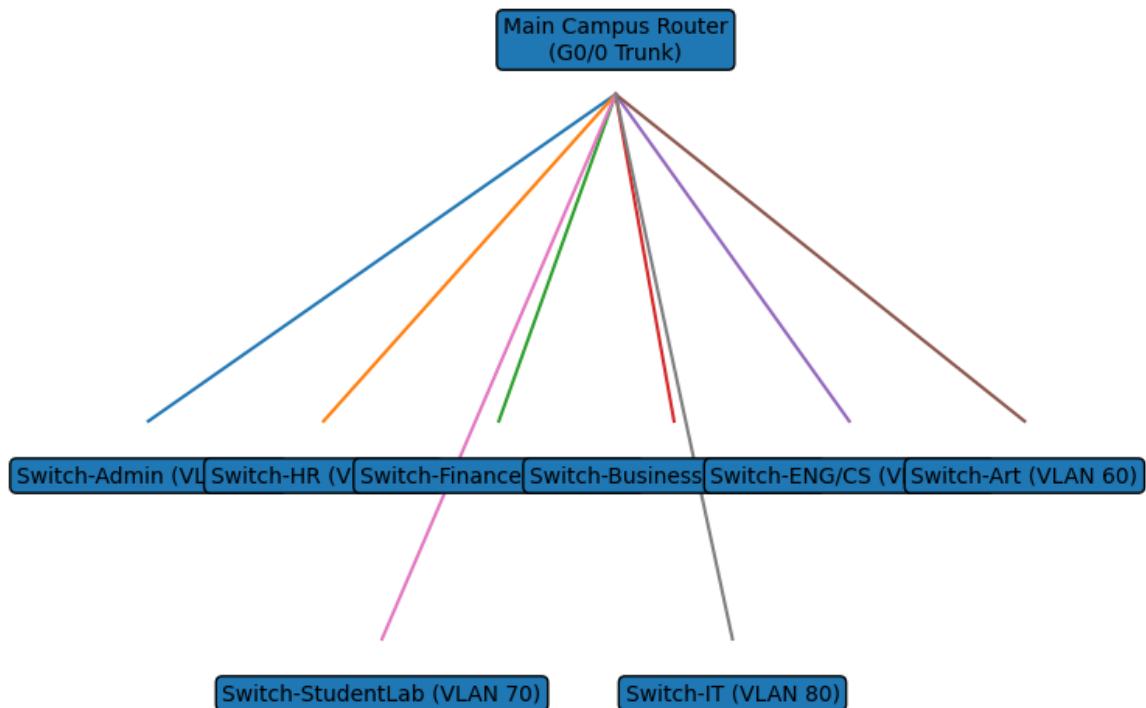


# AH Main Campus Network Configuration Report

## 1. Project Overview

The AH Main Campus network uses VLAN-based segmentation with Router-on-a-Stick inter-VLAN routing. Each department is assigned a unique VLAN and subnet. DHCP services are provided by the main router, and RIPv2 enables WAN routing.

## 2. Network Topology Diagram



## 3. Address Table

VLAN	Department	Network	Subnet Mask	Gateway
10	Admin	192.168.1.0	255.255.255.0	192.168.1.1
20	HR	192.168.2.0	255.255.255.0	192.168.2.1
30	Finance	192.168.3.0	255.255.255.0	192.168.3.1
40	Business	192.168.4.0	255.255.255.0	192.168.4.1
50	ENG/CS	192.168.5.0	255.255.255.0	192.168.5.1
60	Art & Design	192.168.6.0	255.255.255.0	192.168.6.1
70	Student Lab	192.168.7.0	255.255.255.0	192.168.7.1

80	IT	192.168.8.0	255.255.255.0	192.168.8.1
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#### 4. Switch Configuration (Sample Access Switch)

```
hostname Switch-Admin
!
vlan 10
name ADMIN
!
interface range fa0/1-24
switchport mode access
switchport access vlan 10
!
interface g0/1
switchport mode trunk
!
end
```

Note: Additional switches follow the same configuration pattern, changing only the VLAN ID and VLAN name to match their department.